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JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/RL/W.No.17/2020-21

Date: 05.11.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	
Agency	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP.
Name of the work	: **Sri. R Lokesh,** Contractor, Bangalore.
	: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.10.2020	05.11.2020	8.004	378.5	16.82
2	29.10.2020	05.11.2020	8.147	386.2	17.16
3	29.10.2020	05.11.2020	8.159	395.4	17.57

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
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Job No.: CQCE/BBMP/RL/W.No.17/2020-21

Date: 05.11.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	
Agency	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP.
Name of the work	: **Sri. R Lokesh,** Contractor, Bangalore.
	: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.10.2020	05.11.2020	8.118	381.4	16.95
2	29.10.2020	05.11.2020	8.106	392.6	17.45
3	29.10.2020	05.11.2020	8.139	399.7	17.76

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ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/RL/W.No.17/2020-21

Date: 23.11.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP.
Agency	: **Sri. R Lokesh,** Contractor, Bangalore.
Name of the work	: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.10.2020	23.11.2020	8.154	496.2	22.05
2	26.10.2020	23.11.2020	8.128	499.5	22.20
3	26.10.2020	23.11.2020	8.039	504.6	22.43

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ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/RL/W.No.17/2020-21

Date: 25.11.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division, BBMP,
Agency	: **Sri. R Lokesh,** Contractor, Bangalore.
Name of the work	: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.10.2020	25.11.2020	8.079	485.2	21.56
2	28.10.2020	25.11.2020	8.194	495.6	22.03
3	28.10.2020	25.11.2020	8.165	506.8	22.52

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Job No.: CQCE/BBMP/RL/W.No.17/2020-21

Date: 26.11.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yeshwanthpura Sub Division, BBMP,
Agency	: Sri. R Lokesh, Contractor, Bangalore.
Name of the work	: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.10.2020	26.11.2020	8.002	491.2	21.83
2	29.10.2020	26.11.2020	8.109	499.6	22.20
3	29.10.2020	26.11.2020	8.167	508.7	22.61

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Date: 26.11.2020

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Yeshwanthpura Sub Division, BBMP,
Agency	: Sri. R Lokesh, Contractor, Bangalore.
Name of the work	: Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17, BBMP, Bangalore.
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.10.2020	26.11.2020	8.101	496.3	22.06
2	29.10.2020	26.11.2020	8.155	501.6	22.29
3	29.10.2020	26.11.2020	8.109	516.2	22.94

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Job No:- CQCE/BBMP/RL/W.No.17/2020-21

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Date: 30.11.2020

Client	:	Assistant Executive Engineer, Yeshwanthpura Sub Division, BBMP, Bangalore.
Contractor	:	Sri. R Lokesh, Contractor, Bangalore.
Name of Work	:	Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17, BBMP, Bangalore.
No.of Sample Tested	:	03
Date of Testing	:	30.11.2020
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	120.00	1.762	2308.07	1.33	0.928	116.50	18.31	19.78	18.35	22.94
2	90.00	122.00	1.799	2317.91	1.36	0.930	118.30	18.60	20.08	18.69	23.36
3	90.00	125.00	1.866	2346.53	1.39	0.934	118.80	18.67	20.17	18.84	23.55

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